

FIG. 1

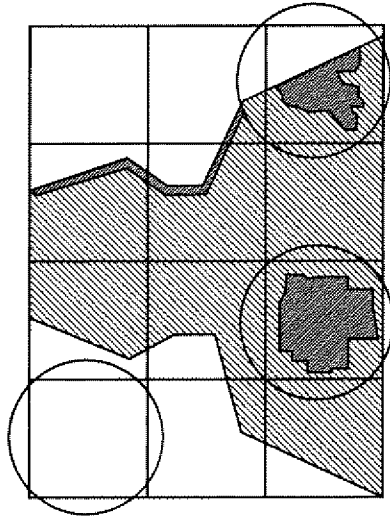


FIG. 2

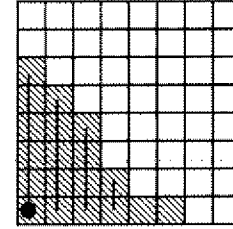


FIG. 3A

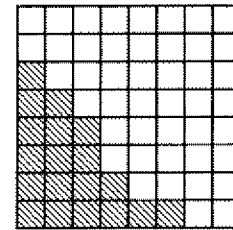


FIG. 3B

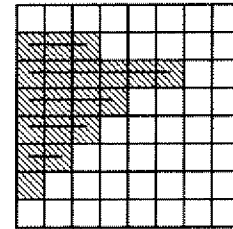


FIG. 3C

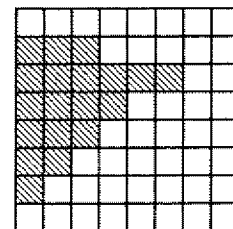


FIG. 3D

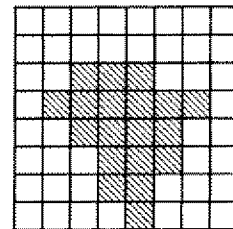


FIG. 3E

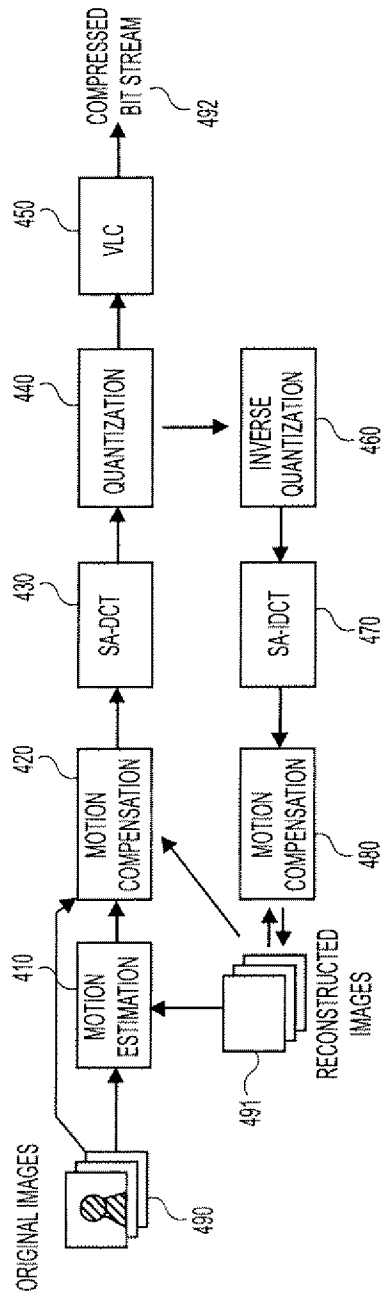


FIG. 4

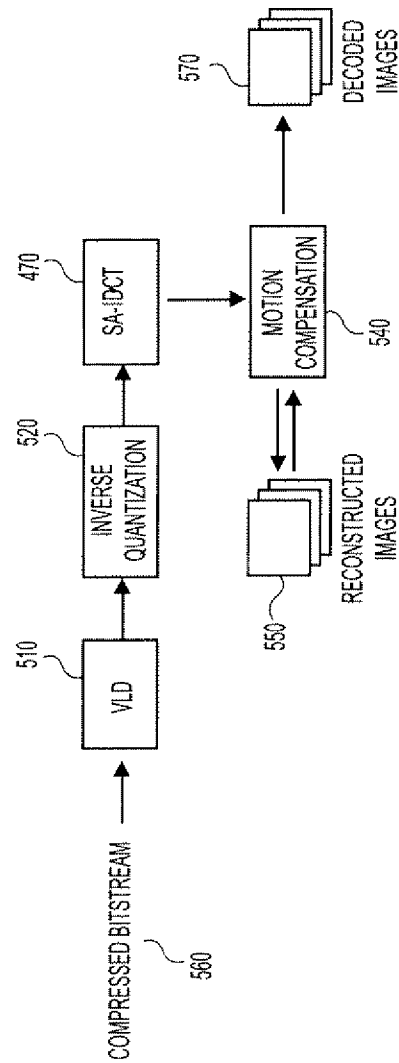


FIG. 5

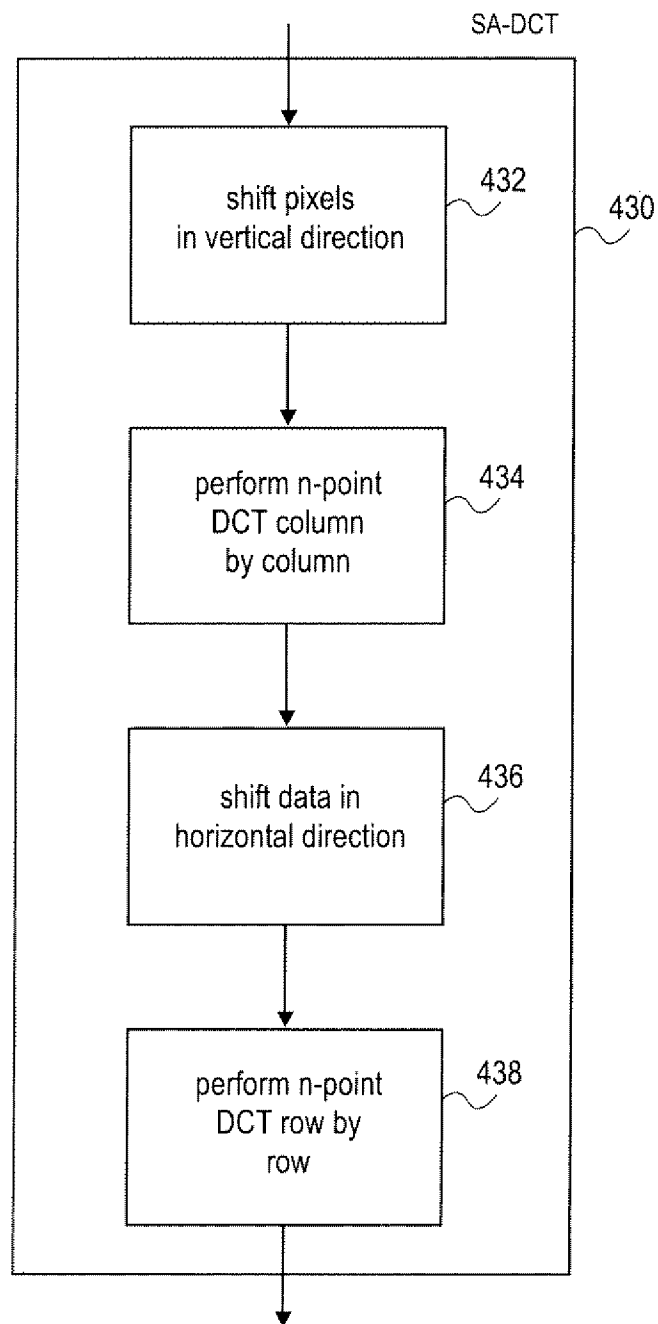


FIG. 6

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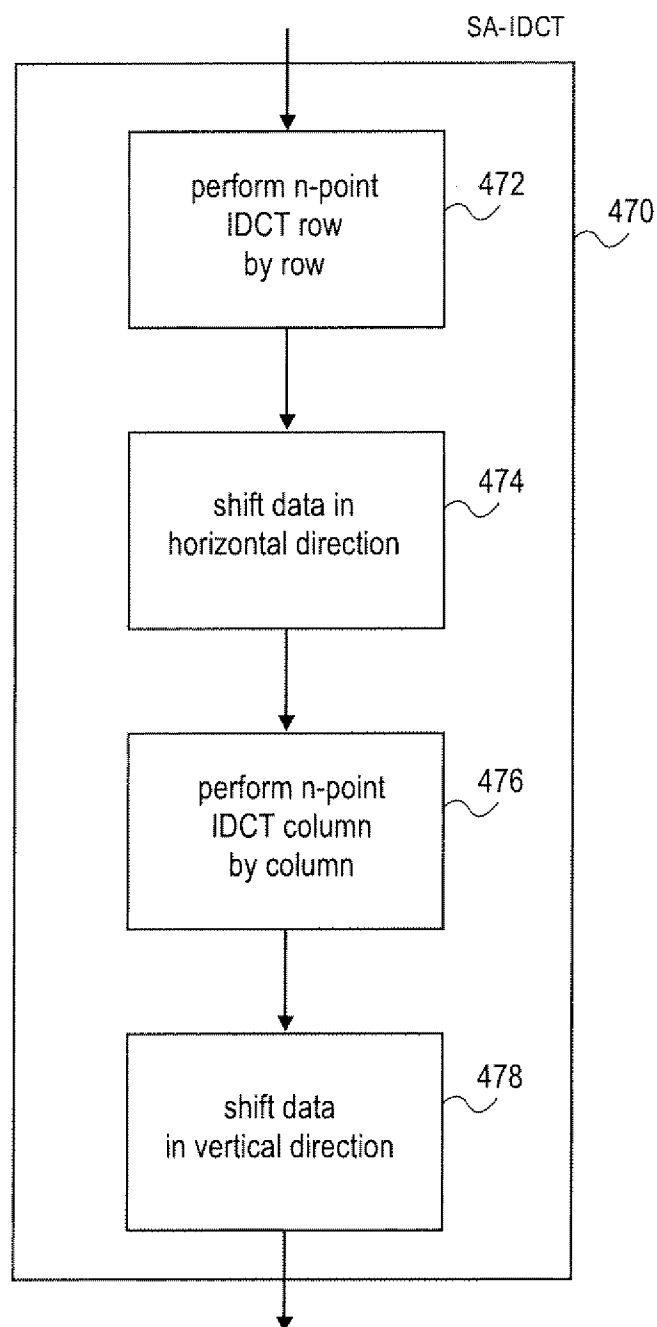


FIG. 7

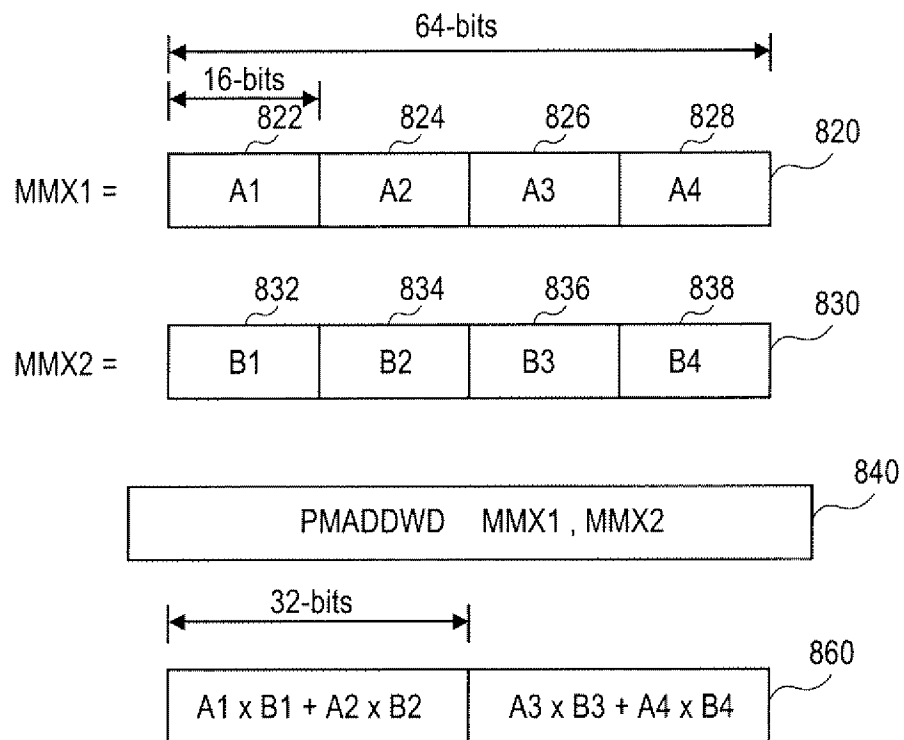


FIG. 8

$$\begin{array}{c}
 \begin{array}{c} \text{910} \\ \left[\begin{array}{c} y_1 \\ y_2 \\ \vdots \\ y_n \end{array} \right] \end{array} = \begin{array}{c} \text{920} \\ \left[\begin{array}{ccc} A_{11} & A_{12} & \dots & A_{1n} \\ \vdots & \vdots & & \vdots \\ A_{n1} & \dots & & A_{nn} \end{array} \right] \end{array} \begin{array}{c} \text{930} \\ \left[\begin{array}{c} x_1 \\ x_2 \\ \vdots \\ x_n \end{array} \right] \end{array} \\
 \\
 \text{One embodiment of n-point DCT/IDCT} \\
 \\
 \begin{array}{c} \left[\begin{array}{c} y_1 \\ y_2 \\ \vdots \\ y_n \end{array} \right] = \begin{array}{c} \text{922} \\ \left[\begin{array}{ccc} S_{11} & \dots & S_{1n} \\ \vdots & & \vdots \\ S_{n1} & \dots & S_{nn} \end{array} \right] \begin{array}{c} \text{924} \\ \left[\begin{array}{ccc} M_{11} & \dots & M_{1n} \\ \vdots & & \vdots \\ M_{n1} & \dots & M_{nn} \end{array} \right] \begin{array}{c} \text{925} \\ \left[\begin{array}{ccc} B_{11} & \dots & B_{1n} \\ \vdots & & \vdots \\ B_{n1} & \dots & B_{nn} \end{array} \right] \left[\begin{array}{c} x_1 \\ x_2 \\ \vdots \\ x_n \end{array} \right] \end{array} \end{array}
 \end{array}
 \end{array}$$

FIG. 9A

FIG. 9B